



UNITED STATES PATENT AND TRADEMARK OFFICE

ck
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/767,784	01/29/2004	Guido Galley	21453 US	7288
151	7590	05/05/2006	EXAMINER	
HOFFMANN-LA ROCHE INC. PATENT LAW DEPARTMENT 340 KINGSLAND STREET NUTLEY, NJ 07110			WARD, PAUL V	
			ART UNIT	PAPER NUMBER
			1624	

DATE MAILED: 05/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/767,784	Applicant(s) GALLEY ET AL.	
	Examiner PAUL V. WARD	Art Unit 1624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☒ Claim(s) 1-24 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. The compounds according to claim 1 of formula IA, wherein C is phenyl.
These are classifiable in class 540, subclass various.
- II. The compounds according to claim 1 of formula IA, wherein C is pyridinyl.
These are classifiable in class 544, subclass 1+.
- III. The compounds according to claim 1 of formula IA, wherein C is furanyl or tetrahydrofuranyl. These are classifiable in class 549, subclass various.
- IV. The compounds according to claim 1 of formula IA, wherein C is benzo[b]thiophenyl. These are classifiable in class 540, subclass various.
- V. The compounds according to claim 1 of formula IA, wherein C is tetrahydronaphthyl. These are classifiable in class 540, subclass various.
- VI. The compounds according to claim 1 of formula IA, wherein C is indanyl.
These are classifiable in class 548, subclass various.
- VII. The compounds according to claim 1 of formula IA, wherein C is 2,2-dimethyl-[1,3] dioxolanyl. These are classifiable in class 544, subclass various.
- VIII. The compounds according to claim 1 of formula IB, wherein C is phenyl.
These are classifiable in class 540, subclass various.
- IX. The compounds according to claim 1 of formula IB, wherein C is pyridinyl.
These are classifiable in class 546, subclass various.

Art Unit: 1624

- X. The compounds according to claim 1 of formula IB, wherein C is furanyl or tetrahydrofuranyl. These are classifiable in class 549, subclass various.
- XI. The compounds according to claim 1 of formula IB, wherein C is benzo[b]thiophenyl. These are classifiable in class 549, subclass various.
- XII. The compounds according to claim 1 of formula IB, wherein C is tetrahydronaphthyl. These are classifiable in class 540, subclass various.
- XIII. The compounds according to claim 1 of formula IB, wherein C is indanyl. These are classifiable in class 548, subclass various.
- XIV. The compounds according to claim 1 of formula IB, wherein C is 2,2-dimethyl-[1,3] dioxolanyl. These are classifiable in class 549, subclass various.
- XV. The process for preparing a compound formula IA according to claim 22, wherein C is phenyl.
- XVI. The process for preparing a compound formula IA according to claim 22, wherein C is pyridinyl. These are classifiable in class 544, subclass 1+.
- XVII. The process for preparing a compound formula IA according to claim 22, wherein C is furanyl or tetrahydrofuranyl. These are classifiable in class 549, subclass various.
- XVIII. The process for preparing a compound formula IA according to claim 22, wherein C is benzo[b]thiophenyl. These are classifiable in class 540, subclass various.

Art Unit: 1624

- XIX. The process for preparing a compound formula IA according to claim 22, wherein C is tetrahydronaphthyl. These are classifiable in class 540, subclass various.
- XX. The process for preparing a compound formula IA according to claim 22, wherein C is indanyl. These are classifiable in class 548, subclass various.
- XXI. The process for preparing a compound formula IA according to claim 22, wherein C 2,2, dimethyl-[1,3] dioxolanyl. These are classifiable in class 544, subclass various.
- XXII. The process for preparing a compound formula IB according to claim 23, wherein C is phenyl.
- XXIII. The process for preparing a compound formula IB according to claim 23, wherein C is pyridinyl. These are classifiable in class 544, subclass 1+.
- XXIV. The process for preparing a compound formula IB according to claim 23, wherein C is furanyl or tetrahydrofuranyl. These are classifiable in class 549, subclass various.
- XXV. The process for preparing a compound formula IB according to claim 23, wherein C is benzo[b]thiophenyl. These are classifiable in class 540, subclass various.
- XXVI. The process for preparing a compound formula IB according to claim 23, wherein C is tetrahydronaphthyl. These are classifiable in class 540, subclass various.

XXVII. The process for preparing a compound formula IB according to claim 23, wherein C is indanyl. These are classifiable in class 548, subclass various.

XXVIII The process for preparing a compound formula IB according to claim 23, wherein C is 2,2, dimethyl-[1,3] dioxolanyl. These are classifiable in class 544, subclass various.

XXIX. The method of treating according to claims 20-21 of formula IA, wherein C is phenyl. These are classifiable in class 514.

XXX. The method of treating according to claims 20-21 of formula IA, wherein C is pyridinyl. These are classifiable in class 514.

XXXI The method of treating according to claims 20-21 of formula IA, wherein C is furanyl or tetrahydrofuranyl. These are classifiable in class 514.

XXXII. The method of treating according to claims 20-21 of formula IA, wherein C is benzo[b]thiophenyl. These are classifiable in class 514.

XXXIII The method of treating according to claims 20-21 of formula IA, wherein C is tetrahydronaphthyl. These are classifiable in class 514.

XXXIV The method of treating according to claims 20-21 of formula IA, wherein C is indanyl. These are classifiable in class 514.

XXXV The method of treating according to claims 20-21 of formula IA, wherein C is 2,2, dimethyl-[1,3] dioxolanyl. These are classifiable in class 514.

Art Unit: 1624

- XXXVI. The method of treating according to claims 20-21 of formula IB, wherein C is phenyl. These are classifiable in class 514.
- XXXVII. The method of treating according to claims 20-21 of formula IB, wherein C is pyridinyl. These are classifiable in class 514.
- XXXVIII. The method of treating according to claims 20-21 of formula IB, wherein C is furanyl or tetrahydrofuranyl. These are classifiable in class 514.
- XXXIX. The method of treating according to claims 20-21 of formula IB, wherein C is benzo[b]thiophenyl. These are classifiable in class 514.
- XL The method of treating according to claims 20-21 of formula IB, wherein C is tetrahydronaphthyl. These are classifiable in class 514.
- XLI. The method of treating according to claims 20-21 of formula IB, wherein C is indanyl. These are classifiable in class 514.
- XLII The method of treating according to claims 20-21 of formula IB, wherein C is 2,2, dimethyl-[1,3] dioxolanyl. These are classifiable in class 514.

Inventions in Groups I-XIV and Groups XXIX-XLII are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the

Art Unit: 1624

instant case, the process for using the product as claimed can be practiced with another materially different process, such as inhibiting secretase.

Inventions of Group I-XIV and XV-XXVIII are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the process as claimed can be used to make another and materially different products, such as malonamide derivatives.

The inventions of Groups I-XLII are separate and patentably distinct because there is no patentable co-action among them and a reference anticipating or rendering obvious one member will not anticipate or render another obvious.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter and different classification, a search of the forty-two groups designated above would impose an undue burden upon the examiner, and restriction for examination purposes as indicated is proper.

A telephone call was made to Kimberly Prior on May 1, 2006 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is requested to **elect a specifically disclosed species** of the invention to be examined for search purposes.

Art Unit: 1624

Rejoinder Advisory

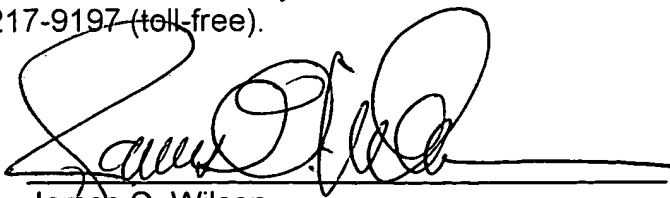
The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and the product claims are subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for **rejoinder**. All claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be **rejoined**.

In the event of **rejoinder**, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the **rejoined** process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. **Failure to do so may result in a loss of the right to rejoinder.** Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PAUL V WARD whose telephone number is 571-272-2909. The examiner can normally be reached on M-F 8 am to 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 571-272-0661. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



James O. Wilson
Supervisory Patent Examiner
Technology Center 1600